

Attorney Docket No. 14631

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
POWER OF ATTORNEY**

**In Re New United States Patent Application:**

**Title: METHOD, MEDIA, AND SIGNALS FOR PROCESSING SEISMIC DATA TO  
OBTAIN A VELOCITY FIELD**

**Inventors:** Kerry James Stinson  
Shlomo Levy  
Wai-Kin Chan  
Edward Charles Crase

**Executed:** Feb 27, 2004

The undersigned hereby appoints as its attorneys and/or agents, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

**DOWELL & DOWELL, P.C.**

**SEND CORRESPONDENCE TO:** Ralph A. Dowell  
Dowell & Dowell, P.C.  
Suite 309  
1215 Jefferson Drive Hwy.  
Arlington, Virginia 22202-3124  
United States of America

**DIRECT TELEPHONE CALLS TO:** Ralph A. Dowell  
(703) 415-2555

**DATA MODELING INC.**

<sup>KJS</sup>  
Kerry & James Stinson  
Signature

**Print Name:** Kerry James Stinson

**Title:** Vice President, International

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Data Modeling Inc.

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_

Entitled: **METHOD, MEDIA, AND SIGNALS FOR PROCESSING SEISMIC DATA TO OBTAIN A VELOCITY FIELD**

Data Modeling Inc.

, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Feb. 27, 2004

Date

1-(403)-269-7889

Telephone number

Kerry James Stinson

Typed or printed name

Kerry James Stinson

Signature

Vice President, International

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DECLARATION**

As below-named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below beneath each of our names,

That we verily believe that we are joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD, MEDIA, AND SIGNALS FOR PROCESSING SEISMIC DATA TO OBTAIN A  
VELOCITY FIELD**

the specification of which

**[x] is attached hereto**

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations §1.56(a) and (b) which state:

"(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by Section 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application,

- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
- (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability."

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

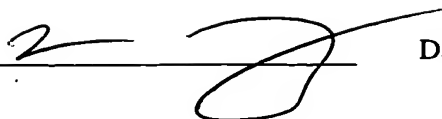
1) INVENTOR'S SIGNATURE: Kerry James Stinson Date: Feb. 27, 2004

Full Name: **Kerry James Stinson**

Residence address: **119 Lochend Drive  
Cochrane, Alberta T4C 2H2  
Canada**

Country of Citizenship: **Canada**

Post Office address: **As above**

2) INVENTOR'S SIGNATURE:  Date: FEB-27-2004

Full Name: **Shlomo Levy**

Residence address: **24324 Lower Springbank Road  
Calgary, Alberta T3Z 3K2  
Canada**

Country of Citizenship: **Canada**

Post Office address: **As above**

3) INVENTOR'S SIGNATURE: Wai-Kin Chan

Date: Feb 27, 2004

Full Name: **Wai-Kin Chan**

Residence address: **3148 Palliser Drive S.W.  
Calgary, Alberta T2V 4B7  
Canada**

Country of Citizenship: **Canada**

Post Office address: **As above**

---

FROM : ED CRASE  
02/27/2004 15:10 2693691

FAX NO. : 4067235301  
DMI

Feb. 27 2004 02:08PM P2  
PAGE 02

4) INVENTOR'S SIGNATURE *Ed Charles Crase* Date: 27 Feb 2004

Full Name: Edward Charles Crase

Residence address: 1143 West Diamond  
Butte, Montana  
United States of America  
59701

Country of Citizenship: United States of America

Post Office address: As above